

ABSTRACT OF THE DISCLOSURE

A projection system and method are provided. The projection system includes a light source, at least one filter having a slit, a scrolling unit, a color separator, and a light valve. The slit in the at least one filter controls a divergence angle of light emitted from the light source. The scrolling unit scrolls an incident beam. The color separator has a plurality of dichroic filters which separate an incident beam emitted from the light source according to color. The light valve receives a plurality of color beams from the color separator and transmitted by the scrolling unit on corresponding color areas and forms a plurality of color bars by scrolling the color beams. A black bar is formed between adjacent color bars by controlling a distance between adjacent dichroic filters or by controlling the width of the slit in the at least one filter.